

WHAT IS CLAIMED IS:

1. A method for operating a conveyor drive for a conveyor independently of a drive for a press station serviced by the conveyor, the method comprising:

generating a position signal related to an operating position of said press station;

5 providing said position signal to a motor controller for operating said conveyor drive;

determining a drive profile for operating said conveyor drive based on said position signal; and

10 applying said drive profile to said conveyor drive to operate said conveyor drive, wherein said conveyor drive is operated in synchronization with said press station.

2. A method according to claim 21, further comprising determining at least one of a duration and amplitude of one or more parameters in said drive profile in relation to said position signal.

3. A method according to claim 22, wherein said parameters in said drive cycle include acceleration, deceleration and braking.

4. A method according to claim 21, further comprising:

generating another position signal related to an operating position of said conveyor;

5 providing said another position signal to said motor controller for operating said conveyor drive; and

determining said drive profile for operating said conveyor drive based on said another position signal.

5. A method according to claim 21, further comprising:
 - generating an angular position signal related to an operating position of said conveyor drive;
 - providing said angular position signal to said motor controller for operating said conveyor drive; and
 - determining said drive profile for operating said conveyor drive based on said angular position signal.